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"Hand-Held Sprayer for Hose Rollers"

*Substitute Specification
Approved for Entry Jack*

Related Applications

[0001] This is the U.S. national phase of International Application No. PCT/DE2004/000004 filed January 7, 2004, the entire disclosure of which is incorporated herein by reference and claims priority to German application number 203 01 844.3 filed February 6, 2003.

Technical Field

[0002] The present invention concerns a hand-held sprayer with an at least partially hollow shaft section, a liquid dispensing section and a hollow connection plug element for connecting a hose extension to the hand-held sprayer, which is arranged within the shaft section and can be fastened by a fastening element plugable through at least one opening from the outside into the shaft section, in which the connecting plug element has a first mounting extension for connecting the hose extension with the connecting plug element and a second mounting extension for connecting the connecting plug element with the shaft section.

Background Art

[0003] Numerous hand-held sprayers are known from the prior art. These hand-held sprayers are used to divide the liquid jet supplied via a liquid conduit or liquid hose, especially a water jet, and distribute it via a sprayer or nozzle.

[0004] Such hand-held sprayers are used especially in the sanitary field, and there especially in showers.

[0005] However, hand-held sprayers are often used in large canteen kitchens and are arranged on or in cooking appliances in order to clean the cooking appliance with such hand-held sprayers. For example, cooking spaces within a cooking appliance can be sprayed and cleaned easily by these flexible hand-held sprayers using water and/or cleaning agents.

[0006] A generic hand-held sprayer is known from DE 3324383 A1, which discloses a device for fastening a hose to the handle of a hand-held sprayer, with a rigid tube nipple, which is provided with a sealing ring and fastened on the end of the hose with a squeeze clamp, a connection socket fastened to the handle of the hand-